

SOLUTIONS It makes sense.

BLACK PEARL



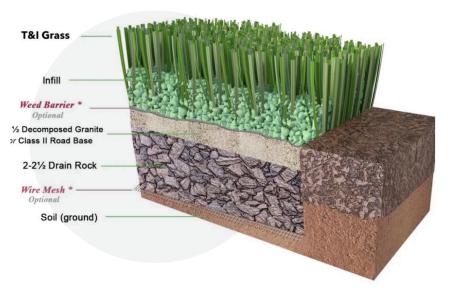
- Playgrounds
- **Parks**
- Soccer Field
- Football Field
- **General Sports Fields**
- Commercial or Residential
- Medium-Heavy Traffic



15 Year Manufacturer's Warranty 8 Year Manufacturer's High Traffic Warranty



Flo-Rite Drainage Technology





DIAMOND BLADE | S BLADE LITTLE S BLADE | W BLADE



SPECIFICATIONS

Pile Height: 2"

Turf Gauge: 3/8"

Face Weight: 65 oz./yd²

Backing Weight: 28 oz./yd²

Total Weight: 93 oz./yd²

Stitch Rate: 10.5/10cm

Stitches/M2: 11025

Material/Dtex: PE13000 + PP4500

Color: Field Green, Apple Green, Olive Green and Brown Green with Brown and Green Thatching

Type Of Fiber: PE Monofilament and PP Curled As Thatch

Infill Amount: 1.0 lb./psf.

Primary Backing: Premium T&I Backing

Tuft Bind: 13+ lb/force (ASTM D1335)

Blade Type: Diamond Blade, S Blade, Little S

Blade, W Blade

Permeability: 91.5 inches/hr. (ASTM F1551)

Melting Point: 176 °F (ASTM D2859)

Grab Tear MD: >200 lb./force (ASTM D5034)

Grab Tear CMD: >200 lb./force (ASTM D5034)

Roll Width: 15 ft

Roll Length: 100 ft

Sq. Ft. Per Roll: 1500

Total Roll Weight: 1005 lbs







PREPARED FOR

Attn: Claudia Cervantes
Turf and Ivy Solutions
5 Centerpointe Drive
Suite 400
Lake Oswego, OR 97035

Generated 1/18/2024 1:47:41 PM

JOB DESCRIPTION

Lead Testing

JOB NUMBER

820-11608-1

Eurofins Lubbock 6701 Aberdeen Ave. Suite 8 Lubbock TX 79424

Eurofins Lubbock

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 1/18/2024 1:47:41 PM

Authorized for release by Holly Taylor, Project Manager Holly.Taylor@et.eurofinsus.com (806)794-1296

Page 2 of 18

- 0

4

8

a

4.6

4 4

12

13

Client: Turf and Ivy Solutions Project/Site: Lead Testing

Laboratory Job ID: 820-11608-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Subcontract Data	13
Chain of Custody	14
Receint Checklists	17

Δ

5

7

0

10

10

13

Definitions/Glossary

Client: Turf and Ivy Solutions Job ID: 820-11608-1

Project/Site: Lead Testing

Qualifiers

Metals

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Ę

O

8

40

11

12

Case Narrative

Client: Turf and Ivy Solutions

Project: Lead Testing

Job ID: 820-11608-1

Job ID: 820-11608-1

Eurofins Lubbock

Job Narrative 820-11608-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- · Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 1/9/2024 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Lubbock

Page 5 of 18 1/18/2024

2

3

4

5

8

4 4

12

Client Sample Results

Client: Turf and Ivy Solutions Project/Site: Lead Testing Job ID: 820-11608-1

Client Sample ID: Black Pearl Lab Sample ID: 820-11608-1

Date Collected: 01/05/24 15:00 Matrix: Solid

Date Received: 01/09/24 10:00

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	< 0.622	U	1.96	0.622	ma/Ka		01/17/24 00:12	01/17/24 14:41	10

QC Sample Results

Client: Turf and Ivy Solutions Job ID: 820-11608-1 Project/Site: Lead Testing

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 860-140843/1-A **Client Sample ID: Method Blank**

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 140970 **Prep Batch: 140843** MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 01/17/24 00:12 01/17/24 13:33 0.200 Lead <0.0634 U 0.0634 mg/Kg

Lab Sample ID: LCS 860-140843/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 140843 Analysis Batch: 140970** Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits

10.0 10.68 107 80 - 120 Lead mg/Kg Lab Sample ID: LCSD 860-140843/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 140970 Prep Batch: 140843 Spike LCSD LCSD %Rec RPD Limits Analyte Added Result Qualifier RPD Limit Unit D %Rec Lead 10.0 10.49 105 80 - 120 2 mg/Kg

D %Rec

QC Association Summary

Client: Turf and Ivy Solutions
Project/Site: Lead Testing

Job ID: 820-11608-1

Metals

Prep Batch: 140843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-11608-1	Black Pearl	Total/NA	Solid	3051A	
MB 860-140843/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 860-140843/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 860-140843/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 140970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-11608-1	Black Pearl	Total/NA	Solid	6020B	140843
MB 860-140843/1-A	Method Blank	Total/NA	Solid	6020B	140843
LCS 860-140843/2-A	Lab Control Sample	Total/NA	Solid	6020B	140843
LCSD 860-140843/3-A	Lab Control Sample Dup	Total/NA	Solid	6020B	140843

2

3

4

6

7

8

9

10

Lab Chronicle

Client: Turf and Ivy Solutions
Project/Site: Lead Testing

Job ID: 820-11608-1

Client Comple ID: Dissis Des

Client Sample ID: Black Pearl Lab Sample ID: 820-11608-1

Date Collected: 01/05/24 15:00 Matrix: Solid
Date Received: 01/09/24 10:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			.51 g	50 mL	140843	01/17/24 00:12	AGR	EET HOU
Total/NA	Analysis	6020B		10			140970	01/17/24 14:41	DP	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

2

4

9

4 4

12

Accreditation/Certification Summary

Client: Turf and Ivy Solutions

Job ID: 820-11608-1

Project/Site: Lead Testing

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-53	06-30-24

3

4

£

R

9

10

12

13

Method Summary

Client: Turf and Ivy Solutions Project/Site: Lead Testing

Job ID: 820-11608-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET HOU
3051A	Preparation, Metals, Microwave Assisted	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

3

4

5

8

10

44

12

Sample Summary

Client: Turf and Ivy Solutions Project/Site: Lead Testing

Job ID: 820-11608-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-11608-1	Black Pearl	Solid	01/05/24 15:00	01/09/24 10:00

4

0

9

11

12

13



Environment Testing Xenco

CERTIFICATE OF ANALYSIS

Client: Turf and Ivy Solutions

Product: Black Pearl

Eurofins Sample #:820-11608-1

Lead Results: Less than one part per million

Synthetic fibers from turf product Black Pearl, taken by Turf and Ivy on 1/5/2024, and received by Eurofins Labs, 1/9/2024, were analyzed by Eurofins Labs for total lead by method SW6020B. The results were less than one milligram lead per kilogram synthetic fiber (<1 mg/kg).

Dr. Blair Leftwich, Director

Date

8

Revised Date 101419 Rev 2019

Date/Time

Chain of Custody

Loc: 820 11608

Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334 Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900

Atlanta, GA (770) 449-8800

	Ē	Ē	
			tody
			820-11608 Chain of Custody
	Ē		ain o
			98 Ch
	Ē		-1160
=			820

Turf and Ivy Solutions	Brownfield RR Superfund ADaPT Other: PST/US TRF Leve Codes HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Na Sample Comments Sample Comments Need a certificate of analy in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 16311,245.117470 17471: H	Formation Form	Project Manager:	Claudia Cervantes	ntes			Bill to: (if different)	Ç.				Worl	Work Order C	Work Order Comments
Contemporate Dr. Site 400. Autoress Contemporate Dr. Site 400. Autoress Contemporate Dr. Site 400. Contemporate Dr. Site	PST/US TRF Level Other: Preservative Codes HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 /7471: H	ADAPT Cher. Preservative Codes HN03: HN H2504: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy; in addition to the report in addition to the report SiO2: Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H		Turf and Ivy Sc	olutions			Company Nam		ame		Pro	Iram: UST/PST PR	Brown	nfield RR(Superfund
1-888-435-5579 Turn Control	ADAPT Other: PESETVATIVE Level TRED PRESETVATIVE COCIONA HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeCH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by 4:30pm Sample Comments Sample Comments Sample Comments Need a certificate of analy, in addition to the report In addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 / 7471: H	ADAPT Other: Preservative Codes HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by 4:30pm Sample Comments Sample Comments Need separate reports 3 Need separate reports 3 Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H		5 Centerpointe	Dr, Ste	400,		Address:				05	tate of Project:]]
1-886-453-5979 Email info@Lutrandity.com AMALYSIS REQUEST ADePT Other	Preservative Codes HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by 4:30pm Sample Comments Sample Comments Sample Comments I.) Use ASTM method I.) Use ASTM method II.) Use ASTM method III. In addition to the report III. addition to the report III. ASTI Sn U V Zn 1631/245.1/7470 / 7471: H	Preservative Codes HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Accetate+ NaOH: Zn TAT starts the day recevied by table, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analyy in addition to the report in addition to the report SiOZ Na Sr TI Sn U V Zn 1631/245.117470 /7471: H		Lake Oswego,	, Oregon	97035		City, State ZIP				Rep			
Name	HNO3: HN H2S04: H2 H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by talloh. if received by 4:30pm Sample Comments Sample Comments Need a certificate of analy. in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 / 7471: H	HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by taleb, if received by 4:30pm Sample Comments Sample Comments Need separate reports 3 Need separate report 3 Need a certificate of analy, in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H		1-888-453-597	62		Email:	-	ndivy.cc	mc		Deli		ADaP	
HNO3 HN HNO3 HNO3	HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Need separate reports 3 Need a certificate of analy; in addition to the report in addition to the report 1.) Use ASTM method 3.02 Na Sr TI Sn U V Zn 16311,245.117470 17471: H	HNO3: HN H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments Need a certificate of analyy in addition to the report in addition to the report SiOZ Na Sr TI Sn U V Zn 1631 / 245.117470 / 7471: H	Project Name:		Lead Tes	sting	Tu	rn Around			ANALY	'SIS REQUEST			Preservative Codes
## HCE HALL FRECEIPT Temp Blank Yes 460 Machina Factor Factor Medical Factor Medi	H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by talab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 /7471: H	H2S04: H2 HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H	Project Number:				Routi	ine:							HNO3: HN
HCL: H. HCC HCL: H. HCC HCL: H. HCC HCL: H. HCC HCC HCC HCL: H. HCC HCC HCL: H. HCC	HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by tab. if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method I.) Use ASTM method in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 16311 245.117470 17471: H	HCL: HL None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by tab. if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H	Project Location		NSA		Rush		θΛ						H2S04: H2
APLE RECEIPT Temp Blank: Yes	None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 16311 245.117470 17471: H	None: NO NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	Sampler's Name:				Due		yatı						HCL: HL
Temp Blank Ves &	NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by taying ample Comments Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analy in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	NaOH: Na MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day received by tappm Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	PO #:						46	Ľ	-				None: NO
Copy No. Thermoneler ID Copy No. Correction Factor. Copy No. Correction Factor. Copy No. Correction Factor. Copy No. Correction Factor. Copy No. No. Copy No.	MeOH: Me Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	MeOH: Me Zn Accetate+ NaOH: Zn TAT starts the day recevied by tab. if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need a certificate of analyy in addition to the report in addition to the report SiOZ Na Sr TI Sn U V Zn 1631 / 245.117470 / 7471: H	SAMPLE RECEI		np Blank:	Yes	Wet Ice:	(2)		\ 500	_				NaOH: Na
Ves No NA Correction Factor Ves No NA Correction Factor Ves No NA Correction Factor Ves No NA Total Containers: Co E E E E E E E E E	Zn Acetate+ NaOH: Zn TAT starts the day recevied by t lab, if received by 4:30pm Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	Sample Comments Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy: in addition to the report sio2 Na Sr TI Sn U V Zn 1631/245.117470/7471: H	Temperature (°C):	7	Ą	F	hermometer			801					MeOH: Me
Yes No N/A Correction Factor. Correction Correcti	Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 /7471: H	Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H	Received Intact:	(ge/y)	No		7		7	.09(Zn Acetate+ NaOH: Zn
Yes No NIA Total Containers:	Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	Sample Comments Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 17471: H	Cooler Custody Seals:	Yes		Correction Fa	ctor:			(dq)					TAT starts the day recevied by the
### Time Depth Eu Co Fig. Sampled Sampled Sampled Sample Comments Turf	Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 / 7471: H	Sample Comments 1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : H	Sample Custody Seals	Yes			ers:	7		slate					lab, if received by 4:30pm
Turf	1.) Use ASTM method Need separate reports 3 Need a certificate of analy; in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 /7471: H	1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : F	Sample identi	ification	Matrix	1-17/16	Time		apoo	M IstoT					Sample Comments
200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : L	1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H	1.) Use ASTM method Need separate reports 3 Need a certificate of analy, in addition to the report in addition to the report SiO2 Na Sr TI Sn U V Zn 1631/245.117470 / 7471: H	UltraRe	al	Tuf				-	×					
200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 13 Al Motal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 163	SiO2 - 163	SiO2 163										+			
200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 In Motal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 163	SiO2 1	SiO2 163													Need separate reports 3.)
200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiC and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U															in addition to the report
200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiC and Metal(s) to be analyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U															
200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiC and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		Sign III												-	
200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiC and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		- Sign												+	
200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiC and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	SiC	SiC													
TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U			Total 200.7 / 60		3020:	8RCF	II	Texas 11	Al Sb	As Ba Be	Cd Ca Cr	Cu Fe Pb Mg	11		Na Sr TI Sn U V Zn
	Notice: Stanature of this document and relineus hamment of samples constitutes a valid purchase order from client company to Xenco. its affiliates and subcontractors. It assigns standard terms and conditions	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	Circle Method(s	s) and Metal(s)	to be a		TCLP / SP			Sb As Ba	8		Se Ag TI U	16:	31 / 245.1 / 7470 / 7471 : Hg

Received by: (Signature) Relinquished by: (Signature) 1000 Date/Time 19124 Received by: (Signature) Relinquished by: (Signature)

13

Chain of Custody Record

Eurofins Lubbock								Ç	5				
8701 Aberdeen Ave, Suite 8 Lubbock, TX 79424 Phone: 806-794-1256	0	hain c	Chain of Custody Record	ody Ro	cord				кимп		⇔ e⊔	🔆 eurofins	Environment Testing
Client Information (Sub Contract Lab)	Sampler			Lab PM: Taylor	Lab PM: Taylor Holly			Camer	Carrier Tracking No(s):) 	COC No: 820-8777 1	771	
	Phone:	 		E-Mait: Hoily	Taylor@et	E-Mail: Holly Taylor@et.eurofinsus.com	X m	State of Orig California	tate of Origin: California		Page: Page 1 of 1	of 1	
Company: Eurofins Environment Testing South Centr					Accreditations Requ NELAP - Texas	Accreditations Required (See note): NELAP - Texas	note):			}	Job #: 820-11608-1	60 8- 1	
Address: 4145 Greenbriar Dr	Due Date Requested: 1/15/2024	#		_		į	Analysis	Requested	ä.	ł	Preserv	န္တို	M Hexane
City: Stafford	TAT Requested (days):	š.	Ì	Division de la		 	-		_	7	00>	Cetate	
State, Zp: TX, 77477											I I Nation	— q	P Na2O4S Q Na2SO3 R Na2S2O3
Phone: 281-240-4200(Tel)	PO#										_	ģ. ā	
Email:	WO#			a mayalas	(1)						_ ~ ;	ĺ	U Acetone V MCAA
Project Name: Lead Testing	Project #: 82000176			*	UC]6						eliner L EDTA		Y Trizma Z other (specify)
Site:	SSOW#			en Re o e	i jalk						Other:		
		Sample	Sample Type (C≕comp,	Matrix (w-water, S-solid,	(0 - - - - - - - - - -						emzivica e e		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) _{BT}	運 む	<u> </u>							pecial Ins	Special Instructions/Note:
Black Pearl (820-11608-1)	1/9/24	Pacific	 -	Solid	×	_	 		-	-			
			 -			-	 		+	+			0,70
			$\frac{1}{1}$		 	$\frac{1}{1}$	$\frac{1}{1}$	+	 	+		2	2 -
			ļ ,										21
	 					 -	 -		-	 			
			-			-	+		+	+			
							-		_	+			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract faboratories. This sample shipment is forwarded under chain-of-custody, if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/hests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	nt Testing South Centra bove for analysis/tests/r entral, LLC attention imn	l, LLC places t natrix being ar nediately. If al	he ownership of nalyzed, the sam I requested acco	method, analy ples must be s editations are	te & accredita hipped back to current to date	tion compliand the Eurofins return the sign	e upon our su Environment gned Chain of	ubcontract tabo Testing South 'Custody attes	ratories. This Central, LLC I ໂທg ໝ said co	sample shipu laboratory or o impliance to E	nent is forward other instruction durofins Enviro	ded under cha ns will be prov nment Testing	ain-of-custody. If the vided. Any changes to g South Central, LLC.
Possible Hazard Identification Unconfirmed				!	Sample	ple Disposal (A f	A fee may	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon	assessed if samp Disposal By Lab	les are ret	tained long Archive For	er than 11	month) Months
Deliverable Requested: I, II, III, IV Other (specify)	Primary Deliverable Rank: 2	ble Rank: 2			Special I	Special Instructions/QC		Requirements:					
Empty Kit Relinquished by	,	Date:			Time:			Z	Method of Shipment	ment			
Relinquished by	Date/Time(Q)	1	700	Company	Recei	Received by:			Dar	Date/Time:			Company
Reinquistred by:	Daren ine.		8	Company	Rece	<u></u>	برندمهمد	30	7	Date/Time:	0/2024 10	0 17	Company EX
Reinquished by:	Date/Time:		- 6	Company	Recei	Received by:			- Da	Date/Time:			Company
Custody Seals Intact Custody Seal No. A Yes A No		 - -			Coale	Cooler Temperature(s)		C and Other Remarks:					

Ver 06/08/2021

State, Zip: TX, 77477 Stafford

6701 Aberdeen Ave. Suite 8

Eurofins Lubbock

Chain of Custody Record

22	

eurofins |

E00000K, 12 / 8424					1		Environment Testing	8/2
Client Information (Sub Contract Lab)	Sampler		1	Lab PM: Taylor Holly	olly .	Carrier Tracking No(s):	COC No:	1/1
- 1	Phone:			E-Mail: Holly Tayl	E.Mail: Holly Taylor@et.eurofinsus.com	State of Origin: California	Page: Page 1 of 1	
Company: Eurofins Environment Testing South Centr		j	!	Accreditat NELAP	Accreditations Required (See note): NELAP Texas	ļ	Job#; 820-11608-1	
Address: 4145 Greenbriar Dr	Due Date Requested: 1/15/2024	; 			Analy	sis Requested	Š.	
City: Stafford	TAT Requested (days)	s):					NaOH N	
State, ZID: TX, 77477							Nitric Acid Q	
Phone: 281-240-4200(Tel)	PO#)). 				
Emai	WO#			ojana Gregorija			l Ice	
Project Name: Lead Testing	Project # 82000176			¥64± 1 4021			L EDTA	
Sine:	SSOW#		į			a koton	Other	
Sample Identification - Client ID (Lab ID)	Sample Date		Sample Ma Type (w- (C=comp, o	Matrix (Werwarter, Sepolid, Onwesteld); Description, A=Air) TE	5020B/3051A (A	real Manue	Special Instructions/Note:	3
				60 × ×				18
Black Pearl (820-11608-1)	1/9/24	Pacific	s	Solid	*			e 16 of
							Hew369	Pag
							21	
							2.1	
			-					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody, if the laboratory does not currently maintain accreditation in the State of Origin listed above for enalysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to	nt Testing South Central bove for analysis/tests/n	l, LLC places the on atrix being analy	ownership of met zed, the samples	hod, analyte & a must be shippe	accreditation compliance upon our subco	ontract laboratories. This sample shipmer ting South Central, LLC laboratory or othe	nt is forwarded under chain-of-custody. If the instructions will be provided. Any changes to	
accreditation status should be brought to Eurofinis Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofinis Environment Testing South Central, LLC.	entral, LLC attention imn	nediately. If all re	quested accredit	ations are currer	nt to date, return the signed Chain of Cu	stody attesting to said compliance to Euro	ofins Environment Testing South Central, LLC.	

Empty Kit Relinquished by

Relinquished by:

Relinquished by:

Relinquished by

Date/Time:

Company Company

Received by:

Received by: Received by:

Lower with

7

1/10/2024 10 17

Company Company

찟

Ver: 06/08/2021

Date/Time

Cooler Temperature(s) °C and Other Remarks

Custody Seals Intact: Yes ∆ No

Custody Seal No.

Deliverable Requested: I, II, III IV Other (specify)

Primary Deliverable Rank: 2

Time:

Special Instructions/QC Requirements

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month

Months

Method of Shipment:

Possible Hazard Identification

Login Sample Receipt Checklist

Client: Turf and Ivy Solutions

Job Number: 820-11608-1

Login Number: 11608 List Source: Eurofins Lubbock

List Number: 1

Creator: Triplett, Colby

Croater implett, colley		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	False	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No date or time on COC or containers.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	N/A	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

2

3

4

7

9

10

12

13

Login Sample Receipt Checklist

Client: Turf and Ivy Solutions

Job Number: 820-11608-1

Login Number: 11608
List Source: Eurofins Houston
List Number: 2
List Creation: 01/10/24 02:57 PM

Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	Comment
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

Δ

5

7

9

11

12

14

<6mm (1/4").



Limited Product Warranty

(Effective Date: January 1st, 2022)

Turf and Ivy Solutions, (a.k.a. T&I) warrants our residential landscape artificial turf with a 15-year limited product warranty. T&I also warrants commercial artificial turf applications and putting green surfaces for eight (8) years. All product warranties are from the date of the artificial turf purchase and assuming the turf is maintained as recommended by T&I. T&I shall not in any event be liable for any indirect, incidental, punitive, special, consequential, or other similar damages including, but not limited to loss of profits or revenue, economic loss, or other goodwill, even if T&I has been notified of the possibility of such damages. Slight color changes will occur over the lifetime of artificial turf and are not considered an issue or basis for a claim. All labor costs involved with the installation, loss of wages, removal of the affected turf and/or reinstallation of any replacement will be the responsibility of the purchaser.

Subject to the following Limitations:

General provisions of this limited warranty apply to the wear of the turf with regard to ultraviolet degradation, and does not apply to damage incurred during installation, improper underlay, pile crushing, willful or negligent abuses, or damage by machinery or equipment, nor does it apply when the turf is not installed by a licensed certified installer. T&I does not warrant a loss of more than 5% per year of the turf material strength due to ultraviolet degradation. The strain rate and deformation rate increase significantly when the material is subjected to extreme heat and will not be warrantied in such conditions. T&I holds the right to look at temperature history reports to determine if the material has been exposed to consistent extreme heat over period of 96 hours or more. This limited warranty does not apply to the state of Arizona due to the extreme hot weather conditions. T&I only warrants turf products for a period of 3 years for all products sold and installed in the state of Arizona.

Warranty Coverage:

In the event of warranty issues covered by this Limited Warranty, T&I will either (a) replace the affected portion of the artificial turf product with a new artificial turf product of the same quality or (b) T&I may elect to issue a credit instead of replacement. This credit shall only apply to the affected areas of the artificial turf product. Replacement of the affected areas is for the artificial turf products only, excluding any and all costs associated with the installation and infill, including but not limited to installation supplies, inconvenience, labor charges, etc. The Expressed Limited Warranty excludes all implied warranties, and T&I shall in no event be liable for a breach of warranty in any amount exceeding the invoice price of the turf. T&I's residential Limited Landscape Artificial Turf Warranty coverage schedule is as follows: Years 1-8 (100%); Years 9-12 (50%); Years 13-15 (25%). T&I's 8 year commercial and putting green artificial turf warranty coverage schedule is as follows: Years 1-4 (100%); Years 5-6 (50%); Years 7-8 (25%).







Limited Product Warranty

(Effective Date: January 1st, 2022)

Limitations on Coverage:

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, T&I DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN LAW OR IN FACT, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY FOR A PARTICULAR PURPOSE.

Furthermore, this Manufacturer's Limited Warranty does not cover the following:

- 1. Damage from accidents, vandalism, abuse, neglect and improper installation.
- 2. Acts of God (including earthquakes, floods, hurricanes, vehicular traffic, damage caused by dogs and other natural disasters).
- 3. Use of chemicals, fire and improper cleaning methods.
- 4. Failure to properly maintain, protect and/or repair the turf and cleaning of the turf due to calcium build up/dew.
- 5. Damage that occurs during the shipping/transportation process. All shipping claims must be filed against the freight company in question.
- 6. Damage caused by reflection/external heat source (melting) or other flammable materials. Such reflection sources include but are not limited to: windows, vinyl fences, metal blocks, concrete/stucco walls, etc.
- 7. Turf product is subject to normal wear and tear. Normal wear and tear, including matted down or twisted blades is not a manufacturing defect and therefore is not covered by this warranty.
- 8. Visual lines caused by variation of the color of yarns and manufactured tufted stitch lines are not considered a defect as there is no deterioration of actual yarn itself and is a common occurrence among all tufted products.
- 9. When a Claim needs to be submitted the following information is required to be sent to info@turfandivy.com (T&I Sales Order Number, T&I Invoice Number, Pictures, Customer Name, Address and Phone Number)
- 10. Areas used for high traffic, sport activities, playgrounds and tee lines are not covered in this warranty. Disclaimer: If you are using any Turf and Ivy Solutions products in a high traffic or sport activity application, please refer to the warranty named Turf and Ivy Solutions High Traffic and Sport Activity Turf Warranty.
- 11. Rolls of artificial turf where the backing of the turf is not covered and exposed to sunlight.

Limitations on Liability:

The purchaser must promptly inspect all products upon delivery. Should any shortages, defects or non-conformities be discovered during the initial inspection upon delivery of the products, T&I shall take on the obligation of making sure the products are free from such shortages, defects or non-conformities if and only if, the purchaser notifies T&I in writing within 30 days after the date of purchase of said products. This warranty is extended to the original purchaser and is not transferrable. In order to qualify for this warranty, the customer must fill out the T&I Warranty Registration, submit a copy of the registration and a copy of their receipt to the address or email below and receive confirmation of registration via email from T&I.

Turf and Ivy Solutions, Inc. 5 Centerpointe Dr, Ste 400, Lake Oswego, OR, U.S.A. Email: info@turfandivy.com







Limited Product Warranty

(Effective Date: January 1st, 2022)

REGISTRATION

PURCHASER:	
DATE OF COMPLETION:	
ADDRESS OF INSTALLATION:	
PHONE:	
SIGNATURE:	
DATE:	
INSTALLER COMPANY:	
INSTALLER ADDRESS:	
INSTALLER PHONE:	
INSTALLER NAME:	
INSTALLATION COMPLETION DATE:	



(Effective Date: January 1st, 2022)

Turf and Ivy Solutions, (a.k.a T&I) warrants the wear and tear of T&I products with regards to ultraviolet degradation, for high traffic and sport activity provided herein or for any other uses for which T&I provides its written authorization, within eight (8) years from the date of completion of installation (as indicated in this warranty). In the event of warranty issues covered by this Limited Warranty, T&I will either (a) replace the affected portion of the artificial turf product with a new artificial turf product of the same quality or (b) T&I may elect to issue a credit instead of replacement. This credit shall only apply to the affected areas of the artificial turf product. Replacement of the affected areas is for the artificial turf products only, excluding any and all costs associated with the installation and infill, including but not limited to installation supplies, inconvenience, labor charges, etc. The Expressed Limited Warranty excludes all implied warranties, and T&I shall in no event be liable for a breach of warranty in any amount exceeding the invoice price of the turf. T&I's 8-year high traffic and sport activity artificial turf warranty coverage schedule is as follows: Years 1-4 (100%); Years 5-6 (50%); Years 7-8 (25%).

T&I warrants all materials installed meets the T&I specifications and warrants the replacement material will be available through the remainder of the warranty period. This warranty shall commence upon the date of installation completion as indicated in this warranty. The accompanying warranty service will not come into effect unless the Certificate of Completion is sent in for validation to the corporate office indicated herein within thirty (30) days of the date of completion or the purchaser's first use, whichever occurs first. In all cases, the warranty shall be deemed to commence upon the date of completion indicated in this warranty. The customer must provide T&I with their maintenance program within thirty (30) days of completion of installation. This warranty is limited to the remedies of replacement under this warranty; all other recourse which might be available are hereby waived by the purchaser.

Limitations on Coverage:

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, T&I DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN LAW OR IN FACT, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY FOR A PARTICULAR PURPOSE.

Furthermore, this Manufacturer's Limited Warranty does not cover the following:

1. Damage resulting from an accident, misuse, force majeure, unintentional and intentional abuse, infill displacement, neglect or other than normal play and ordinary use of T&I products. For purposes of this warranty, normal play and ordinary use shall mean usage up to 3,000 hours per year of regular play and utilization for the activities provided herein; normal play and ordinary use also includes a reasonable number of participants or users, but does not include repetitive training, repetitive marching or high-intensity drills on the same part of the turf, especially in the areas of, but not limited to, base areas, base paths, pitcher's mound, home plate, goal areas, soccer penalty mark/spot areas, sideline areas, tee line, and lacrosse crease areas, all areas will need frequent maintenance and possible replacement.







(Effective Date: January 1st, 2022)

- 2. Damage resulting from maintenance, repair, attempted repair by anyone other than a licensed certified installer or an authorized T&I distributor.
- 3. Damages caused by, but not limited to, the application of cleaning agents, chemicals, adhesive backing, traffic, dirt, negligence, accidents, vandalism, fire, animals, windstorm, improper care, abuse, neglect and improper installation, and Acts of God (including earthquakes, floods, hurricanes, vehicular traffic, fire, improper cleaning chemicals, damage caused by dogs and other natural disasters).
- 4. Damage resulting from the use of improper footwear such as regular and repeated use of steel cleats, long-spiked track shoes, and flat-soled shoes. Standard football and soccer cleats are recommended.
- 5. Failure to properly maintain, protect and/or repair the turf and cleaning of the turf due to calcium build up/dew.
- 6. Damage that occurs during the shipping/transportation process. All shipping claims must be filed against the freight company in question.
- 7. Damage caused by reflection/external heat source (melting) or other flammable materials. Such reflection sources include but are not limited to: windows, vinyl fences, metal blocks, concrete/stucco walls, etc.
- 8. Turf product is subject to normal wear and tear. Normal wear and tear, including matted down or twisted blades is not a manufacturing defect and therefore is not covered by this warranty.
- 9. Visual lines caused by yarn color variation and manufactured tufted stitch lines are not considered a defect as there is no deterioration of actual yarn itself and is a common occurrence among all tufted products.
- 10. Rolls of artificial turf where the backing of the turf is not covered and exposed to sunlight.
- 11. T&I does not warrant a loss of more than 5% per year of the turf material strength due to ultraviolet degradation. The strain rate and deformation rate increase significantly when the material is subjected to extreme heat and will not be warrantied in such conditions. T&I holds the right to look at temperature history reports to determine if the material has been exposed to consistent extreme heat over a period of 96 hours or more. This limited warranty does not apply to the state of Arizona due to the extreme hot weather conditions. T&I only warrants turf products for a period of 3 years for all products sold and installed in the state of Arizona.

1.888.453.5979



(Effective Date: January 1st, 2022)

When a Claim needs to be submitted, the following information is required to be sent to info@turfandivy.com (T&I Sales Order Number, T&I Invoice Number, Pictures, Customer Name, Address and Phone Number).

All synthetic turf is subject to normal wear and tear, which is not a manufacturing defect and is not covered in this warranty. In addition to the other factors applicable in this warranty, wear and tear is based on, without limitation, the construction of synthetic turf (stitch rate, fiber face weight, fiber gauge and pile height, infill components and the maintenance of the turf) and the amount of time and intensity of use of the synthetic turf. All T&I products will be stable to fading in the light with the maximum fade of the T&I products through the warranty period not exceeding fifteen percent (15%) of color loss per year based upon an acceptable grey scale. This warranty does not cover the slight gradations and variations of color within the T&I products and/or face distortion.

T&I disclaims all liability for consequential and incidental damages for breach of any implied or express warranty, including any implied warranty of merchantability, with respect to T&I products. In the event that the T&I product is used for purposes other than high traffic and sport activities provided in this warranty or any other uses for which T&I gives it's written authorization, it will be understood that T&I has tested the product for use in connection with these high traffic and sport activities and may not have tested it for other uses. T&I shall not be responsible for any and all damages incurred, therefore the Manufacturer's Limited Warranty, as well as all legal warranties, shall become null and void.

Limitations on Liability:

The purchaser must promptly inspect all products upon delivery. Should any shortages, defects or non-conformities be discovered during the initial inspection upon delivery of the products, T&I shall take on the obligation of making sure the products are free from such shortages, defects or non-conformities if and only if, the purchaser notifies T&I in writing within 30 days after the date of purchase of said products. This warranty is extended to the original purchaser and is not transferrable.

In order to qualify for this warranty, the customer must fill out the T&I Warranty Registration, submit a copy of the registration and a copy of their receipt to the address or email below and receive confirmation via email from T&I.







(Effective Date: January 1st, 2022)

REGISTRATION

PURCHASER:	
DATE OF COMPLETION:	
ADDRESS OF INSTALLATION:	
PHONE:	
SIGNATURE:	
DATE:	
INSTALLER COMPANY:	
INSTALLER ADDRESS:	
INSTALLER PHONE:	
INSTALLER NAME:	
INSTALLATION COMPLETION DATE:	



MANUFACTURING MATERIAL SAFETY DATA SHEET

A. Identity

Chemical name: Polyethylene fibers with polyurethane backing

Manufacturer:

Turf and Ivy Solutions, Inc. 5 Centerpointe Dr Ste 400 Lake Oswego, OR 97035

Emergency telephone number: 1-888-453-5979

B. Hazardous Ingredients

This product is considered to be a non-hazardous chemical under the Federal Occupational Safety and Health Administration Hazard Communication Standard 29CFR1910.1200

C. Physical Data Boiling Point: n/a Vapor Pressure: n/a Vapor Density: n/a

Melting Point: 1760 F/800C (turf fibers) Specific Gravity: (H20=1) 0.94 turf Percent volatile by volume: n/a

Evaporation Rate: n/a/ Appearances: Solid

Odor: None

D. Fire Hazard Data

Unusual fire and explosion hazards: None

Flashpoint: 6050F/318oC

Extinguishing Method: Water, Foam, Carbon Dioxide

Fire Fighting Equipment: Wear protective pressure, Self-contained, Breathing Apparatus

This product is resistant to damage and spreading of ignition in typical exposures such as lighted cigarette

dropped on the surface.







MANUFACTURING MATERIAL SAFETY DATA SHEET

E. Reactivity Data

Stability: (Conditions to avoid) Polymer may decompose under fire conditions to give off hazardous products

Dissolution: Softening or discoloration may occur with yarn, phenol, formic acid, other acidic exposures below pH5

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Traces of

Hydrogen Cyanide

Hazardous Polymerization: Will not occur

F. Health Hazard Information

No health hazards are evident from MSDS documentation of constituents of this product, in the form presented when installed and used for its intended application as a synthetic turf product.

G. Environmental & Disposal Information

This product is in compliance with EPA guidelines (RCRA, CFR261, and TCLP) and is compliant with Executive Order 13101, "Greening the government through waste prevention, recycling, and federal acquisition."

Disposal Procedures: Safe for landfills; Can be processed and used as a combustible fuel where proper recycling facilities are available.

H. Legal Disclaimer

While the information set forth herein is believed to be accurate and complete as of the date hereof, Turf and Ivy Solutions, Inc. makes no warranty with respect thereto and disclaims all liability from release thereon.

I. Date of Issue September 30, 2010



Lake Oswego, OR 97035





HOW TO INSTALL ARTIFICIAL GRASS

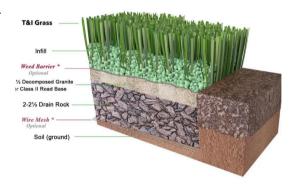
Artificial Lawn - Site Base Preparation

- 1. Remove 3 4 inches of existing grass sod and dirt. Use a sod cutter for large lawns. Cap and remove all sprinklers and sprinkler heads. Be sure to set a rough grade for drainage.
- 2. Lay 2 2 1/2 inches of drain crushed rock, hose down, then using a vibrating plate compactor, compact to 90%.
- 3. Lay 1 1 1/2 inches of either class II road base or decomposed granite.
- 4. Lay the weed barrier * fabric over road base or decomposed granite. This step is optional. Landscape fabrics have their pros and cons. If the soil beneath your installation is "alive" and weeds are wildly grown before installation, it might be a good idea to protect your lawn from weeds with weed barrier fabric. In many cases, there is no big need for weed protection, and you can install turf right on top of decomposed granite without adding extra layers.
- 5. Hose down and then use a vibrating plate compactor to compact to 90%.
- 6. Make sure base surface is as leveled and as smooth as possible.
- 7. Create a slight grade for optimal drainage.

Synthetic Turf Installation

CAUTION: Turf should be rolled out under the sun with blades facing down at least 1-2 hours before installation. This will allow the turf to acclimate and, as a result, make, it easier to work with.

1.Lay turf onto base and position where needed. Using a carpet knife/razor knife, cut off the excess grass turf on the backside (3 stitches in from sides). Cut fake turf (on the backside) to fit the area.



- 2. Fasten one end with 40D or 60D Bright Common nails of 5-6 inches in length, spaced 3-4 inches apart along the edges. Stretch turf and fasten with nails as you move across to the opposite end. Place a nail every 12-24 inches throughout the center and every 3-4 inches along the perimeter.
- 3. Fasten together seams by using 11 gauge 6"x1"x6" staples spaced 4 inches apart along the seam. Do not countersink staples. Note: Be sure the seams are taut and precise, the grain of the turf is facing in the same direction, and the space at the seam is the same as the stitching gauge
- 4. After turf is installed, power broom before applying infill, apply infill onto turf grass using a drop spreader. Spread infill as evenly as possible with a grading rake or broom until infill settles into the base of the turf. You can use a push broom for guick and easy infilling.

Note: Never use regular sand for infill. For putting green installation, use infill with a smaller grain, for example, silica sand #30, because the smaller grain size will work it into the surface better since the golf greens are dense.

5. Hand or power broom again so that the blades are standing straight up. Use carpet scissors to trim off the excessive turf blades. Clean the surrounding area with a blower or a broom.







CARE AND MAINTENANCE GUIDE

Our turf is virtually maintenance free. General up keep for synthetic turf includes raking, blowing and occasionally rinsing. You do not have to re-fill the infill. General maintenance will not harm the infill.

From time to time you will want to rake the turf to make sure the needles stand straight up. Heavy furniture or lots of daily use can cause the needles to look less firm over time. You can use a blower to blow off any leaves or dust. A garden hose can also be used to rinse of any stubborn dust.

Cleaning up after your pets is easy with synthetic turf, simply scoop up any large mess and then rise with water. The sun is a natural disinfectant, however if you are looking for something stronger try a bio degradable, smell inhibiting disinfectant. Products like that are readily found at local pet supply stores.

During hot summer months you may want to use a garden hose to cool the turf. Unlike natural grass the synthetic turf does not retain moisture and will feel hot to the touch in extreme degree heat. Most homeowners keep their sprinkler system intact, though they rarely use it. The sprinklers will give the lawn a natural look and provide ease when you need to cool or dust off the lawn.



